

DIALOG(R)File 351:Derwent WPI  
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**New fusion protein - comprises an interaction domain which can bind to a binding domain and a peptide chain which has to be transported into a target cell**

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Number of Countries: 001 Number of Patents: 001

Basic Patent:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 19735105	A1	19990304	DE 1035105	A	19970813	199915 B

Priority Applications (No Type Date): DE 1035105 A 19970813

Abstract (Basic): DE 19735105 A

NOVELTY - A Fusion protein (I) comprises: (a) an interaction domain which can bind to a binding domain; and (b) a peptide chain which has to be transported into a target cell. DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for: (1) a polypeptide comprising a binding domain, which can specifically bind to the interaction domain of (I); (2) a protein transport system comprising (I); (3) a nucleic acid construct encoding (I) and the polypeptide; and (4) a medicinal agent comprising (I) and the polypeptide.

USE - (I) is useful for the transport of polypeptides into cells.

ADVANTAGE - The components of (I) are non-toxic until they merge together in the target cell, so only target cells are killed by the transport system. (I) is non-toxic for safe handling. (I) and the polypeptide can be administered separately.

Dwg.0/7

Title Terms: NEW; FUSE; PROTEIN; COMPRISE; INTERACT; DOMAIN; CAN; BIND; BIND; DOMAIN; PEPTIDE; CHAIN; TRANSPORT; TARGET; CELL

Derwent Class: B04; D16

International Patent Class (Main): C07K-014/33

International Patent Class (Additional): A61K-031/70; A61K-038/00;

A61K-048/00; C07H-021/04; C07K-014/245; C07K-019/00; C12N-015/11;

C12N-015/62; C12N-015/63

File Segment: CPI

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B04-N03E; D05-H12C; D05-H12D6; D05-H17A6; D05-H17C

Chemical Fragment Codes (M1):

\*01\* M423 M431 M710 M782 M903 N131 N135 N161 P633 Q233 V400 V406 V500  
V540 V600 V611 V752 V901 V902

\*02\* M423 M710 M903 N135 Q233 V753